

GP-302770

SHIFT MECHANISM
FOR A MANUAL PLANETARY TRANSMISSION

ABSTRACT OF THE DISCLOSURE

A shift mechanism for a manual planetary transmission has a plurality of control members. Each control member has a slot configuration for each shift rail defined therein. The slot configurations are aligned among
5 plates and a pin member is inserted in each of the slot configurations. Manipulation of any one of the plates produces movement of two or more of the pin members. The pin members are operable upon movement to select the engagement of the synchronizers, which are disposed within a power transmission. The synchronizers establish drive ratios between the input
10 shaft for the transmission and the output shaft for the transmission.